COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE
BUILDING DIVISION

SUPPLEMENTAL CORRECTION LIST – No. 12
Non-Residential Accessibility Regulations

Elevators &
Special Access (Wheelchair) Lifts

PLAN CHECK NUMBER:	OWNER:

NOTE: Multistory buildings and facilities must provide access to each level, including mezzanines, by ramp or accessible passenger elevator per CBC Section 1103B.1. Where more than one elevator is provided, each passenger elevator must be accessible.

ELEVATOR REQUIREMENTS

1. Passenger elevators shall be accessible and shall be designed and constructed to comply with ASME A17.1, Safety Code for Elevators and Escalators, and shall comply with Section 1116B.
   CBC Sec.1116B.1

2. Elevators shall be on an accessible route, located near a major path of travel, and provisions shall be made to ensure that they remain accessible and usable at all times the building is occupied.
   CBC Sec.1116B.1.15

3. In new construction of buildings where elevators are required, and which exceed 10,000 square feet on any floor, an accessible means of vertical access via ramp, elevator or lift shall be provided within 200 feet of travel of each stair (except stairs used solely for emergency egress). In existing buildings that exceed 10,000 square feet on any floor and in which elevators are otherwise required, whenever a newly constructed means of vertical access is prived bia starirs, an accessible means of vertical access via ramp, elevator or lift shall be provided within 200 feet of travel of each new stair (except stairs used solely for emergency egress).
   CBC Sec.1103B.2

4. The elevator shall be automatic and provided with a self-leveling feature that will automatically bring the car to the floor landings within a tolerance of ±½ inch under normal loading and unloading conditions. This self-leveling shall, within its zone, be entirely automatic and independent of the operating device and shall correct the overtravel or undertravel. The car shall also be maintained approximately level with the landing, irrespective of load. The clearance between the car platform sill and the edge of the hoistway landing shall be no greater than 1¼ inches.
   CBC Sec.1116B.1.2

5. Provide power-operated horizontally sliding car and hoistway doors that are opened and closed by automatic means.
   CBC Sec.1116B.1.3

6. Provide minimum clear width of 36 inches for elevator doors.
   CBC Sec.1116B.1.4

7. Automatic-closing doors shall have a door-reopening device that will stop and reopen a car door and adjacent hoistway door in case the car door is obstructed while closing. The device shall be capable of sensing an object or person in the path of a closing door without requiring contact to activate at nominal 5 inches and 29 inches above the floor. Devices shall remain effective for at least 20 seconds.
   CBC Sec.1116B.1.5

8. Show calculation per Section 1116B.1.6 for the minimum acceptable time from notification that a car is answering a call (lantern and audible signal) until the doors of the car start to close. The minimum acceptable notification time is 5 seconds.
   CBC Sec.1116B.1.6

9. The minimum acceptable time for doors to remain fully open shall not be less than 5 seconds.
   CBC Sec.1116B.1.7

10. The car inside shall allow for the turning of a wheelchair. The minimum clear distance between wall or between wall and door, excluding return panels, shall not be less than:
    a.) For center opening doors: 80 inches by 54 inches.
    b.) For side-slide opening doors: 68 inches by 54 inches
    CBC Sec.1116B.1.8

11. Minimum distance from wall to return panel shall be 51 inches.
    CBC Sec.1116B.1.8

12. Floor buttons shall be provided for the car inside with visual indicators to show when each call is registered. The visual indicators shall be extinguished when each call is answered.
    CBC Sec.1116B.1.8

13. The centerline of elevator floor buttons for the car inside shall be no higher than 54 inches above the finish floor for side approach and 48 inches for front approach (where possible, a 48-inch maximum height for elevator floor buttons is preferred). Emergency controls, including the emergency stop and alarm, shall be grouped in or adjacent to the bottom of the panel and shall be no lower then 2 feet 11 inches from the floor. For multiple controls only, one set must comply with these height requirements. Controls shall be located on a front wall if cars have center opening doors, and at the side wall or at the front wall next to the door if cars have side opening doors.
    CBC Sec.1116B.1.8

14. Emergency two-way communication systems between the elevator and a point outside the hoistway shall comply with ASME A17.1. The emergency telephone handset shall be positioned no higher than 4 feet above the floor, and the handset cord shall be a minimum of 2 feet 45 inches in length. It shall be identified by a raised telephone symbol and corresponding Braille lettering complying with Section 1117B.5.1, Item 1, and located adjacent to the device. If the telephone system is located in a closed compartment, the compartment door hardware shall be lever type conforming to the provisions of Section 1008.1.8, Type of Lock or Latch. Emergency intercommunication shall not require voice communication.
    CBC Sec.1116B.1.8

15. Identification for the visually impaired shall be as follows:
    a.) Car controls shall have a minimum dimension of ¾ inch and be raised 1/8 inch (±1/32 inch) above surrounding surfaces.
    b.) Control buttons shall be illuminated, have square shoulders and be activated by a mechanical motion that is detectable.
    c.) Control buttons shall be designated by 5/8 inch minimum raised characters and standard raised symbols immediately to the left of the control button. Grade 2 shall be located immediately below the character or symbol. Minimum clear space of 3/8 inch shall be provided between. Raised characters and symbols shall be white on black background.

THIS DOCUMENT IS FOR PLAN REVIEW ONLY.
CORRECTION LIST IN ITS ENTIRETY MAY NOT BE REPRODUCED ON PLANS.

5201 RUFFIN ROAD, SUITE B, SAN DIEGO, CA 92123 • (858) 565-5920 • (888) 336-7553
HTTP://WWW.SDCOUNTY.CA.GOV/DPLU/

d.) Controls and emergency equipment identified by raised symbols shall include, but not be limited to, “door open,” “door close,” “alarm bell,” “emergency stop,” and “telephone.” The call button for the main entry floor shall be designated by a raised star at left of the floor designation.

CBC Sec.1116B.1.9

16. In elevator cars, a visual car position indicator shall be provided above the car control pane or over the door to show the position of the elevator in the hoistway. As the car passes or stops at a floor served by the elevators, the corresponding numeral shall illuminate, and an audible signal shall sound. Numeral shall be a minimum on ½ inch high. The audible signal shall be no less than 20 decibels with a frequency no higher than 1,500 Hz. An automatic verbal announcement of the floor number at which a car stops or which a car passes may be substituted for the audible signal.

CBC Sec.1116B.1.9

17. The centerline of hall call buttons shall be 42 inches above the floor. Buttons shall be a minimum of ¾ inch in size and shall be raised 1/8 inch (±1/32 inch) above surrounding surfaces. The button designating the up direction shall be on top. Visual indication shall be provided to show each call registered and extinguished when answered. Objects adjacent to, and below, hall call buttons shall not project more than 4 inches from the wall. Hall call buttons shall be internally illuminated with a white light over the entire surface of the button.

CBC Sec.1116B.1.10

18. Provide a handrail on one wall of the car, preferably the rear. The rails shall be smooth, and the inside surface at least 1½ inches clear of the walls at a nominal height of 32 inches from the floor. 32 inches is required to reduce interference with car controls where the lowest button is centered at 35 inches above the floor.

CBC Sec.1116B.1.11

19. Minimum illumination at car controls threshold and the landing when the doors are open shall not be less than 5 foot-candles.

CBC Sec.1116B.1.12

20. A visual and audible signal shall be provided at each hoistway entrance indicating to the prospective passenger the car answering the call and its direction of travel as follows:
    a.) The visual signal for each direction shall be a minimum of 2½ inches high by 2½ inches wide and visible from the proximity of the hall call button (arrow shapes preferred).
    b.) The audible signal shall sound once for the “up” direction and twice for the “down” direction or shall have verbal annunciators that say “up” or “down”.
    c.) The centerline of the fixture shall be located a minimum of 6 feet in height from the lobby floor.

CBC Sec.1116B.1.13

21. Landing jambs on all elevator floors shall have the number of the floor on which the jamb is located designated by raised characters a minimum of 2 inches in height and conforming to Section 1117B.5.5 and Grade 2 Braille that conforms to Section 1117B.5.6 located 60 inches on center above the floor on the jamb panels on both sides of the door so they are visible from within the elevator. On the grade level, a raised five-pointed star shall be placd to the left of the raised character. The outside diameter of the star shall be 2 inches. Braille shall be placed below the corresponding raised characters.

CBC Sec.1116B.1.14

SPECIAL ACCESS (WHEELCHAIR) LIFT REQUIREMENTS

22. Special access (wheelchair) lifts may be provided between levels in lieu of elevators when the vertical distance between landings, as well as the structural design and safeguards, are as allowed by ASME A18.1, Safety Standard for Platform Lofts and Stairway Chair Lifts.

CBC Sec.1116B.2

23. Lifts shall be designed and constructed to facilitate unassisted entry, operation and exit from the lift and shall comply with the restrictions and enhancements of Section 1116B.2.

CBC Sec.1116B.2

24. To ensure continued operation in case of primary power loss, special access (wheelchair) lifts when provided as a component in an accessible means of egress (see Section 116B.3.2 for conditions), shall be provided with standby power or with self-rechargeable battery power that provides sufficient power to operate all platform lift functions for a minimum of five upward and downward trips.

CBC Sec.1116B.3.1, 2

25. Lifts shall have low energy power-operated doors or gates. Doors and gates shall remain open for 20 seconds minimum. End doors shall be 32 inches minimum clear width. Side doors shall by 42 inches minimum clear width. Lifts having doors or gates on opposite sides shall be permitted to have manual doors or gates.

CBC Sec.1116B.4

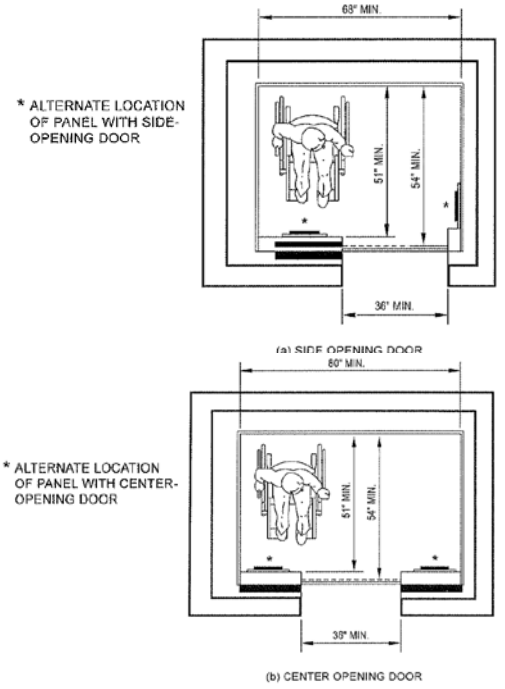

FIGURE 11B-40A—MINIMUM DIMENSIONS OF ELEVATOR CARS

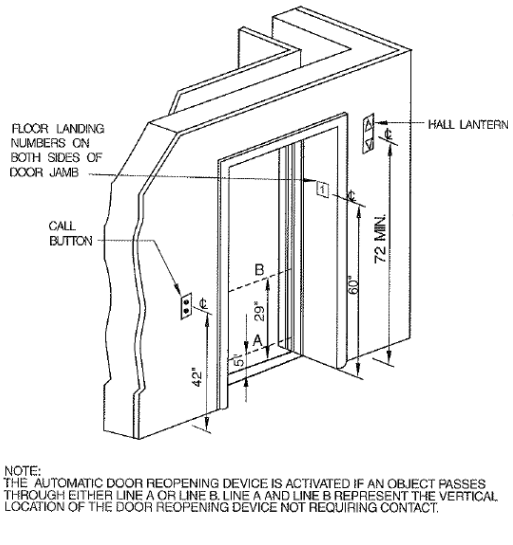

FIGURE 11B-40C—HOISTWAY AND ELEVATOR ENTRANCES

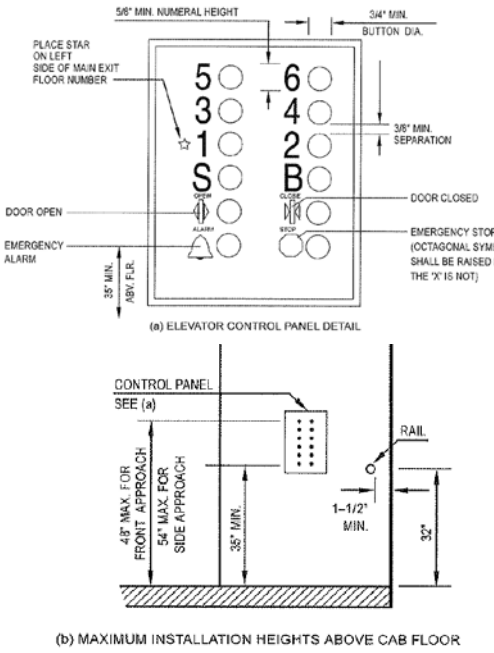

FIGURE 11B-40B—ELEVATOR CONTROL PANEL